



Attorney/Docket No. 23100.64
Customer No. 000027683

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:
McAnalley et al. § Group Art Unit: 1654
Serial No. 10/797,344 § Examiner: N/A
Filed: March 10, 2004 § Confirmation No.: 4291
For: COMPOSITIONS OF PLANT
CARBOHYDRATES AS
DIETARY SUPPLEMENTS §

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 CFR §1.56, and in accordance with the practice under 37 CFR §1.97 and §1.98, the Examiner's attention is directed to the documents listed on the enclosed modified Form PTO-1449. No inference should be made that the cited references are in fact material, are in fact prior art, or that no better art exists. The cited patents are listed in numerical order and are not in any order based on their pertinence.

Pursuant to 37 CFR §1.98(d), no copies of the cited references are enclosed since the references were provided in the parent application, U.S. Serial No. 09/242,215.

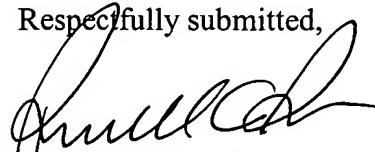
It is requested that the Examiner fully consider the cited references and that they be cited on the front of any patent issuing from this application.

An early action on the merits is respectfully requested.

The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Deposit Account 08-1394.

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Respectfully submitted,



Randall C. Brown
Registration No. 31,213

Date: July 6, 2004
HAYNES AND BOONE, LLP
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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 7/6/2004.

Ellen Lovelace
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Ellen Lovelace
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U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

JUL 08 2004

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(use as many sheets as necessary)

Complete if Known

Application Number	10/797,344
Filing Date	March 10, 2004
Applicant(s)	McAnalley et al.
Art Unit	1654
Examiner Name	Unknown

SHEET

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OF

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Attorney/Docket Number

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U. S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document Number	Publication Date <small>MM-DD-YYYY</small>	Name of Patentee or Applicant of Cited Document
		3,890,438	6/1975	Cayen et al.
		3,947,601	3/1976	Ortega
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		4,466,958	8/1984	Morrison
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		5,710,270	1/1998	Maeda et al.
		5,827,526	10/1998	Dohnalek et al.

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document <small>(Country Code - Number - Kind)</small>	Publication Date <small>MM-DD-YYYY</small>	Patentee or Applicant of Cited Document	Translation <small>Y/N</small>
		WO 9506068 A1	03/1995	YAMADA et al.	
		WO 9303727	04/1993	Hilsted	
		JP 57/007,420	1/1982		
		EP 0052171	5/1982		
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		WO 91 15214	10/1991		
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		WO 98 06418	2/1998		
		JP 63294766 A	12/1988	TAMAI, SEIJI	

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In place of
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OTHER PRIOR ART

Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item, date, page(s), volume-issue number(s), publisher, city/country where published
		Citkowitz, E., Developmental Biology (1972), 27: 494-503. "Analysis of the Isolated Hyaline Layer of Sea Urchin Embryos."
		Balch, J.F. et al., "Prescription for Nutritional Healing", 2 nd ed. (1997), Avery Publishing Group(USA), Pg. 7-8, 12-33 and 43-46.
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		J.H. Cummings et al., "A New Look at Dietary Carbohydrate: Chemistry, Physiology and Health," Eur. J. Clinical Nutrition, 1997, Vol. 51, Pages 417-23.
		Alan D. Elbein, "Inhibitors of the Biosynthesis and Processing of N-Linked Oligosaccharide Chains," Ann. Rev. Biochem., 1987, Vol. 56, Pages 497-534.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Application Number</td> <td colspan="2">10/797,344</td> </tr> <tr> <td>Filing Date</td> <td colspan="2">March 10, 2004</td> </tr> <tr> <td>Applicant(s)</td> <td colspan="2">McAnalley et al.</td> </tr> <tr> <td>Art Unit</td> <td colspan="2">1654</td> </tr> <tr> <td>Examiner Name</td> <td colspan="2">Unknown</td> </tr> </table>			Application Number	10/797,344		Filing Date	March 10, 2004		Applicant(s)	McAnalley et al.		Art Unit	1654		Examiner Name	Unknown	
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		Alan D. Elbein, "Inhibitors of the Biosynthesis and Processing of N-Linked Oligosaccharide Chains," Ann. Rev. Biochem., 1987, Vol. 56, Pages 497-534.			
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		Hironori Matsuda et al., "Proton Nuclear Magnetic Resonance Studies of the Structure of the Fc Fragment of Human Immunoglobulin G1: Comparisons of Native and Recombinant Proteins," Molecular Immunology, 1990, Vol. 27, No. 6, Pages 571-79.			
		Norio Koide et al., "Recognition of IgG by Fc Receptor and Complement: Effects of Glycosidase Digestion," Biochemical and Biophysical Research Communications, 1977, Vol. 75, No. 4, Pages 838-44.			
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		Johann Deisenhofer et al., "Crystallographic Structural Studies of a Human Fc Fragment," Hoppe-Seyler's Z. Physiol. Chem., 1976, Vol. 357, Pages 1421-1434.			
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		Stephen P. Jackson and Robert Tjian, "Purification and Analysis of RNA Polymerase II Transcription Factors by Using Wheat Germ Agglutinin Affinity Chromatography," Proc. Natl. Acad. Sci., USA, March 1989, Vol. 86, Pages 1781-1785.			
		Serge Lichtsteiner and Ueli Schibler, "A Glycosylated Liver-Specific Transcription Factor Stimulates Transcription of the Albumin Gene," Cell, 1989, Vol. 57, Pages 1179-1187.			
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		Rüdiger Göke et al., "Glycosylation of the GLP-1 Receptor Is a Prerequisite for Regular Receptor Function," Peptides, 1994, Vol. 15, No. 4, Pages 675-681.			
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		Stuart Kornfeld, "Traficking of Lysosomal Enzymes," The FASEB Journal, 1987, Vol. 1, Pages 462-468.			
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		Robert S. Hiltiwanger et al., "O-Glycoslation of Nuclear and Cytoplasmic Proteins: Regulation Analogous to Phosphorylation?" Biochemical and Biophysical Research Communications, 1997, Vol. 231, No. 2, Pages 237-242.			
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		Frank I. Comer and Gerald W. Hart, "Dynamic Glycosylation of RNA Polymerase II," Molecular Biology of the Cell Abstracts, Abstract 2414, 1995, Page 415a.			
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		K. Panneerselvam et al., "Abnormal Metabolism of Mannose in Families with Carbohydrate-Deficient Glycoprotein Syndrome Type 1," <i>Biochemical and Molecular Medicine</i> , 1997, Vol. 61, Pages 161-167.			
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		Barry P. Peters, et al., "O-Glycosylation of the α -Subunit Does Not Limit the Assembly of Chorionic Gonadotropin $\alpha\beta$ Dimer in Human Malignant and Nonmalignant Trophoblast Cells," Endocrinology, 1989, Vol. 124, No. 4, Pages 1602-1612.	
		James M. Roseman, et al., "The Effect of L-Fucose on Rat Mammary Tumor Growth, II <i>In Vitro</i> Studies" Journal of Surgical Oncology, 1971, Vol. 3(1), Pages 79-88.	
		Daniel Wolfe, et al., "The Effect of L-Fucose on Rat Mammary Tumor Growth, I. <i>In Vivo</i> Studies" Journal of Surgical Oncology, 1971, Vol. 3(1), pages 73-77.	
		F. E. Rosato, et al., "Continuous Intravenous Fucose Treatment of Rat Mammary Tumor," Journal of Surgical Oncology, 1972, Vol. 4, No. 2, Pages 94-101.	
		James L. Mullen, et al., "Continuous Intravenous Fucose Therapy in Rat Mammary Cancer II," Journal of Surgical Oncology, 1973, Pages 61-69.	
		Ryuichiro Nishimura, et al., "Free α Subunits of Glycoprotein Hormone with Dissimilar Carbohydrates Produced by Pathologically Different Carcinomas," Endocrinol. Japon., 1985, Vol. 32 (4), Pages 463-472.	
		Kelly P. Kearse, et al., "Lymphocyte Activation Induces Rapid Changes in Nuclear and Cytoplasmic Glycoproteins," Proc. Natl. Acad. Sci. USA, March 1991, Vol. 88, Pages 1701-1705.	
		Gordon D. Holt and Gerald W. Hart, "The Subcellular Distribution of Terminal N-Acetylglucosamine Moieties," 1986, Vol. 261, No. 17, Pages 8049-8057.	
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		Deirdre R. Coombe and Christopher C. Rider, "Lymphocyte Homing Receptors Cloned – a Role for Anionic Polysaccharides in Lymphocyte Adhesion," Immunology Today, 1989, Vol. 10, No. 9, Pages 289-291.	
		Timothy A. Springer, "Traffic Signals for Lymphocyte Recirculation and Leukocyte Emigration: The Multistep Paradigm," Cell, January 1994, Vol. 76, Pages 301-314.	
		Ghislain Opdenakker, et al., "Cells Regulate the Activities of Cytokines by Glycosylation," The FASEB Journal, March 1995, Vol. 9, Pages 456-457.	
Examiner Signature		Date Considered	

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In place of PTO-1449 Form	U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Application Number	10/797,344	
			Filing Date	March 10, 2004	
			Applicant(s)	McAnalley et al.	
			Art Unit	1654	
			Examiner Name	Unknown	
SHEET	9	of	10	Attorney Docket Number	23100.64

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		Andrew V. Muchmore and Jean M. Decker, "An Immunosuppressive 85-Kilodalton Glycoprotein Isolated From Human Pregnancy Urine is a High Affinity Ligand for Recombinant Interleukin 1 α ," The Journal of Biological Chemistry, 1986, Vol. 261, No. 29, Pages 13404-13407.			
		Tristram G. Parslow and Dorothy F. Bainton, "Innate Immunity," Medical Immunology, Ninth Edition, 1997, Pages 25-42.			
		Philip H. Petra, et al., "Complete Enzymatic Deglycosylation of Native Sex Steroid-Binding Iprotein (SBP or SHBG) of Human and Rabbit Plasma: Effect on the Steroid-Binding Activity," Protein Science, 1991, Vol. I, Pages 902-909.			
		David R. Joseph, et al., "The Role of Asparagine-Linked Oligosaccharides in the Subunit Structure, Steroid Binding, and Secretion of Androgen-Binding Protein," Molecular Endocrinology, 1992, Pages 1127-1134.			
		Cheryl A. Conover, "Glycosylation of Insulin-Like Growth Factor Binding Protein-3 (IGFBP-3) is not Required for Potentiation of IGF-I Action: Evidence for Processing of Cell-Bound IGFBP-3," Endocrinology, 1991, Vol. 129, No. 6, Pages 3259-3268.			
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		Patrick L. Storring, "Assaying Glycoprotein Hormones – the Influence of Glycosylation on Immunoreactivity," TBTech, December 1992, Vol. 10, Pages 427-432.			
		Jacques U. Baenziger, "Editorial: Glycosylation: To What End for the Glycoprotein Hormones?" Endocrinology, 1996, Vol. 137, No. 5, Pages 1520-1522.			
		Bruce D. Weintraub, "TSH Immunoassay: Relationship Between Glycosylation & Bioactivity," Nucl. Med. Biol., 1990, Vol. 17, No. 7, Pages 657-660.			
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		John W. Cassels, et al., "Reduced Metabolic Clearance of Acidic Variants of Human Chriogonadotropin From Patients With Testicular Cancer," Cancer, 1989, Vol. 64, Pages 2313-2318.			
		Wolfgang Jelkmann, "Erythropoietin: Structure, Control of Production, and Function," Physiological Reviews, April 1992, Vol. 72, No. 2, Pages 449-489.			
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		Eric D. Green, et al., "Differential processing of Asn-Linked Oligosaccharides on Pituitary Glycoprotein Hormones: Implications for Biologic Function," Molecular and Cellular Biochemistry, 1986, Vol. 72, Pages 81-100.			
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		Eyland V. Van Hall, et al., "Immunological and Biological Activity of HCG Following Progressive Desialylation," February 1971, Vol. 88, Pages 456-464.			
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